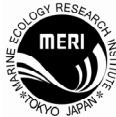


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注2：各文献の書誌的事項の最後のS付き番号は、当所ライブラリーでの登録番号です。

発電所取放水

- 山本芳正・中井大介 (2009). 温排水流入河川におけるティラピアの個体成長. 水産増殖, 57(1): 109-116. S44602
- Kock, T. J., Evans, S. D., Liedtke, T. L., Rondorf, D. W. & Kohn, M. (2009). Evaluation of strobe lights to reduce turbine entrainment of juvenile steelhead (*Oncorhynchus mykiss*) at Cowlitz Falls Dam, Washington. Northwest Sci., 83(4): 308-314.
- Lowe, S. A., Schuepfer, F. & Dunning, D. J. (2009). Case study: three-dimensional hydrodynamic model of a power plant thermal discharge. J. Hydraul. Eng., 135(4): 247-256. S44556
- Tang, H. S. & Keen, T. R. (2009). Analytical solutions for open-channel temperature response to unsteady thermal discharge and boundary heating. J. Hydraul. Eng., 135(4): 327-332. S44557
- Teixeira, T. P., Neves, L. M. & Araujo, F. G. (2009). Effects of a nuclear power plant thermal discharge on habitat complexity and fish community structure in Ilha Grande Bay, Brazil. Mar. Environ. Res., 86(4): 188-195. S44999

環境アセスメント・モニタリング

- **** (2009). 原発と漁業の共存は可能か／陸・海・空の放射線をチェック／原子力発電所による環境影響を監視. 水産界, (1488): 70-71. S44645
- Claussen, U., Zevenboom, W., Brockmann, U., Topcu, D. & Bot, P. (2009). Assessment of the eutrophication status of transitional, coastal and marine waters within OSPAR. Hydrobiologia, 629(1): 49-58. S44688
- Jaanus, A., Toming, K., Hallfors, S., Kaljurand, K. & Lips, I (2009). Potential phytoplankton indicator species for monitoring Baltic coastal waters in the summer period. Hydrobiologia, 629(1): 157-168. S44691

付着生物生態・対策

- 張野宏也 (2009). 船底防汚物質による海洋汚染.瀬戸内海, (57): 14-18. S44648
- 片山義章・山家信雄・大庭忠彦 (2009). 1-8 海生生物付着防止装置の実機適用. 平成 20 年度火力原子力発電大会論文集. 火力原子力発電 (別冊)(CD-ROM): 49-54.
- 加戸隆介・鈴木潤也・鈴木祐二・難波信由・小河久朗 (2009). 陸奥湾におけるミネフジツボの繁殖・幼生分布・付着・初期成長. 日本国水産学会誌, 75(3): 432-442. S44659
- 杉本正昭・小村佳成・塩田浩太 (2009). 1-7 マイクロバブルを用いた付着生物の防止技術. 平成 20 年度火力原子力発電大会論文集. 火力原子力発電 (別冊)(CD-ROM): 42-48.
- 柳川敏治 (2009). 6-11 発電所取水路へ流入する付着生物幼生の検出キットの開発. 平成 20 年度火力原子力発電大会論文集. 火力原子力発電 (別冊) (CD-ROM): 246-251.
- Bazes, A., Silkina, A., Douzenel, P., Fay, F., Kervarec, N., Morin, D., Berge, J.-P. & Bourgougnon, N

- (2009). Investigation of the antifouling constituents from the brown alga *Sargassum muticum* (Yendo) Fensholt. *J. Appl. Phycol.*, 21(4): 395-403. S44783
- Cheung, S. G., Yang, F. Y., Chiu, J. M. Y., Liu, C. C. & Shin, P. K. S. (2009). Anti-predator behaviour in the green-lipped mussel *Perna viridis*: byssus thread production depends on the mussel's position in clump. *Mar. Ecol. Prog. Ser.*, 378: 145-151. S44530
- Diz, A. P. & Presa, P (2009). The genetic diversity pattern of *Mytilus galloprovincialis* in Galician Rias (NW Iberian estuaries). *Aquaculture*, 287(3-4): 278-285. S44429
- Higuchi, T., Fujimura, H., Ikota, H., Arakaki, T. & Oomori, T (2009). The effects of hydrogen peroxide on metabolism in the coral *Goniastrea aspera*. *Journal of Experimental Marine Biology and Ecology.*, 370(1-2): 48-55. S44620
- Kijewski, T., Wijsman, J. W. M., Hummel, H. & Wenne, R. (2009). Genetic composition of cultured and wild mussels *Mytilus* from The Netherlands and transfers from Ireland and Great Britain. *Aquaculture*, 287(3-4): 292-296. S44430
- Langhamer, O., Wilhelmsson, D. & Engstrom, J. (2009). Artificial reef effect and fouling impacts on offshore wave power foundations and buoys - a pilot study. *Estuarine Coastal and Shelf Science*, 80(3): 426-432. S44682
- Letendre, J., Chouquet, B., Manduzio, H., Marin, M., Bultelle, F., Leboulenger, F. & Durand, F. (2009). Tidal height influences the levels of enzymatic antioxidant defences in *Mytilus edulis*. *Mar. Environ. Res.*, 67(2): 69-74. S44484
- Singh, N. & Turner, A (2009). Trace metals in antifouling paint particles and their heterogeneous contamination of coastal sediments. *Mar. Pollut. Bull.*, 58(4): 559-564. S44583

クラゲ生態・対策

- 本多直人 (2009). エチゼンクラゲの輸送に関する生態特性. *沿岸海洋研究*, 46(2): 101-108. S44465
- 今井俊明・武田美貴雄・土井宏育 (2009). 酵素を用いたクラゲ処理の研究. *火力原子力発電*, 60(7): 636-640.
- 野方靖行・遠藤紀之・石井晴人・松村清隆・坂口 勇 (2009). 水中ビデオカメラを用いたミズクラゲの鉛直分布観測. *電中研報告*, V08050: i-iv. 1-10. S44808
- 武岡英隆・藤井直紀・高橋大介・馬込伸哉・南條悠太 (2009). 宇和海におけるミズクラゲの集群メカニズム. *沿岸海洋研究*, 46(2): 109-117. S44466
- Honda, N., Watanabe, T. & Matsushita, Y. (2009). Swimming depths of the giant jellyfish *Nemopilema nomurai* investigated using pop-up archival transmitting tags and ultrasonic pingers. *Fish. Sci.*, 75(4): 947-956. S44789
- Jacobsen, H. P. & Norrbom, M. F. (2009). Fine-scale layer of hydromedusae is revealed by video plankton recorder (VPR) in a semi-enclosed bay in northern Norway. *Mar. Ecol. Prog. Ser.*, 380: 129-135. S44634
- Zhang, L. Q., Wang, G. T., Yao, W. J., Li, W. X. & Gao, Q (2009). Molecular systematics of medusae in

- the genus *Craspedacusta* (Cnidaria: Hydrozoa: Limnomedusae) in China with the reference to the identity of species. J. Plankton Res., 31(5): 563-570. S44705
- **** (2009). Jellyfish blooms: causes, consequences, and recent advances: proceedings of the second international jellyfish blooms symposium, held at the Gold Coast, Queensland, Australia, 24-27 June, 2007 Preface. Hydrobiologia, 616: 1-5. S44408

水温・気候変動・温暖化

- 馬場勝寿・菅原理恵子・奥村裕弥 (2009). 噴火湾ホタテガイ養殖における採苗の良否に影響する要因について（エルニーニョ・ラニーニャの影響）. 北水試だより (77): 1-6. S44520
- 本田恵二・吉松定昭 (2009). *Pseudochattonella verruculosa* (Y.Hara et Chihara) Tanabe-Hosoi, Honda, Fukaya, Inagaki et Sako の増殖に及ぼす水温、塩分、光強度の影響. 香川赤潮研研究報告, (7): 1-8. S44669
- 柏井 誠 (2009). 温暖化と北の海. 養殖, 46(2): 62-66. S44644
- 森田晃央・倉島彰・前川行幸・荒木利芳 (2009). ウシケノリ原胞子形成の温度特性とメソコスム水槽における藻体の乾燥及びUV耐性. 水産増殖 57(1): 1-8. S44600
- 斎藤 勉 (2009). 九州南方での水温前線北上に伴う海況変動と海水交換に関する研究. 水産総合研究センター研報, (27): 1-41. S44508
- 佐藤晋一 (2009a). 青森県周辺海域における水温の長期変動. 青森水産総合研究センター研報, (6): 1-7. S44514
- 佐藤晋一 (2009b). 津軽海峡における水温の長期変動. 青森水産総合研究センター研報, (6): 9-13. S44515
- 志賀 達 (2009). 地球温暖化と海洋変動.瀬戸内海, (57): 34-37. S44650
- 島田裕至 (2009). 高水温耐性ノリ品種改良試験事業. 千葉水産研究センター業務年報, 平成 19 年度: 53-54. S44513
- Ashida, T., Takagaki, M., Matsuura, Y. & Okimasu, E. (2009). Effect of a dietary fermented vegetable product on the heat shock response of Japanese flounder *Paralichthys olivaceus*. Fish. Sci., 75(2): 529-531. S44578
- Brun, N. T., Bricelj, V. M., MacRae, T. H. & Ross, N. W. (2009). Acquisition of thermotolerance in bay scallops, *Argopecten irradians irradians*, via differential induction of heat shock proteins. Journal of Experimental Marine Biology and Ecology, 371(1): 77-83. S44577
- Byrne, M., Ho, M., Selvakumaraswamy, P., Nguyen, H. D., Dworjanyn, S. A. & Davis, A. R. (2009). Temperature, but not pH, compromises sea urchin fertilization and early development under near-future climate change scenarios. Proc. R. Soc. Lond. Ser.B., 276(1663): 1883-1888. S44481
- Emea, J. & Bennett, W. A. (2009). Critical thermal tolerance polygons of tropical marine fishes from Sulawesi, Indonesia. J. Therm. Biol. 34(5): 220-225. S44802
- Epelbaum, A., Herborg, L. M., Therriault, T. W. & Pearce, C. M. (2009). Temperature and salinity effects on growth, survival, reproduction, and potential distribution of two non-indigenous

- botryllid ascidians in British Columbia. *Journal of Experimental Marine Biology and Ecology*, 369(1): 43-52. S44499
- Fowler, S. L., Hamilton, D. & Currie, S. (2009). A comparison of the heat shock response in juvenile and adult rainbow trout (*Oncorhynchus mykiss*) - implications for increased thermal sensitivity with age. *Can. J. Fish. Aquat. Sci.* 66(1): 91-100. S44579
- Frederich, M., O'Rourke, M. R., Furey, N. B. & Jost, J. A (2009). AMP-activated protein kinase (AMPK) in the rock crab, *Cancer irroratus*: an early indicator of temperature stress. *J. Exp. Biol.*, 212(5): 722-730. S44614
- Fredersdorf, J., Muller, R., Becker, S., Weincke, C. & Bischof, K (2009). Interactive effects of radiation, temperature and salinity on different life history stages of the Arctic kelp *Alaria esculenta* (Phaeophyceae). *Oecologia*, 160: 483-492. S44714
- Fulweiler, R. W. & Nixon, S. W. (2009). Responses of benthic-pelagic coupling to climate change in a temperate estuary. *Hydrobiologia*, 629(1): 147-156. S44690
- Gambaiani, D. D., Mayol, P., Isaac, S. J. & Simmonds, M. P. (2009). Potential impacts of climate change and greenhouse gas emissions on Mediterranean marine ecosystems and cetaceans. *Journal of the Marine Biological Association of the United Kingdom*, 89(1): 179-201. S44598
- Hvidsten, N. A., Jensen, A. J., Rikardsen, A. H., Finstad, B., Aure, J., Stefansson, S., Fiske, P. & Johnsen, B. O. (2009). Influence of sea temperature and initial marine feeding on survival of Atlantic salmon *Salmo salar* post-smolts from the Rivers Orkla and Hals, Norway. *J. Fish Biol.*, 74(7): 1532-1548. S44630
- James, P. J., Heatha, P. L., Greena, K. & Wright, J. (2009). The effect of elevated temperature on roe enhancement of *Evechinus chloroticus* collected from two latitudes. *Aquaculture*, 288(3-4): 273-279. S44616
- Jin, Y., Chen, R., Sun, L., Liu, W. & Fu, Z. (2009). Photoperiod and temperature influence endocrine disruptive chemical-mediated effects in male adult zebrafish. *Aquatic Toxicology*, 92(1): 38-43. S44639
- Komorita, T., Shibanuma, S., Yamada, T., Kajihara, R., Tsukuda, M. & Montani, S. (2009). Impact of low temperature during the winter on the mortality in the post-settlement period of the juvenile of short-neck clam, *Ruditapes philippinarum*, on the tidal flats in Hichirippu Lagoon, Hokkaido, Japan. *Plankton and Benthos Research*, 4(1): 31-37. S44535
- Koumoundouros, G., Ashton, C., Sfakianakis, D. G., Divanach, P., Kentouri, M., Anthwal, N. & Stickland, N. C. (2009). Thermally induced phenotypic plasticity of swimming performance in European sea bass *Dicentrarchus labrax* juveniles. *J. Fish Biol.*, 74(6): 1309-1322. S44699
- Kurt, O., Babbini, L., Codogno, M., Bressan, G. & Ozturk, M. (2009). The corallinales (Rhodophyceae) along the Aegean coasts of Turkey as bioindicators of climatic seasonal patterns. *FRESENIUS ENVIRONMENTAL BULLETIN*, 18(3): 311-319. S44482
- Lawrence, J. M., Cao, X., Chang, Y., Wang, P., Yu, Y., Lawrence, A. L. & Watts, S. A. (2009). Temperature effect on feed consumption, absorption, and assimilation efficiencies and production of the sea urchin *Strongylocentrotus intermedius*. *J. Shellfish Res.*, 28(2): 389-395. S44636
- Massa, S. I., Arnaud-Haond, S., Pearson, G. A. & Serrao, E. A (2009). Temperature tolerance and survival of intertidal populations of the seagrass *Zostera noltii* (Hornemann) in Southern Europe (Ria Formosa, Portugal). *Hydrobiologia*, 619: 195-201. S44407

- McClanahan, T. R., Ateweberhan, M., Omukoto, J. & Pearson, L. (2009). Recent seawater temperature histories, status, and predictions for Madagascar's coral reefs. Mar. Ecol. Prog. Ser., 380: 117-128. S44633
- Mendiola, D., Yamashita, Y., Matsuyama, M., Masuda, R., Okamoto, K., Alvarez, P. & Tanaka, M. (2009). Estimation of the daily food intake and gross growth efficiency of chub mackerel (*Scomber japonicus*) larvae under various temperatures. Aquaculture Sci., 57(2): 291-299. S44815
- Nixon, S. W., Fulweiler, R. W., Buckley, B. A., Granger, S. L., Nowicki, B. L. & Henry, K. M. (2009). The impact of changing climate on phenology, productivity, and benthic-pelagic coupling in Narragansett Bay. Estuarine Coastal and Shelf Science, 82(1): 1-18. S44527
- Plantalech Manel-la, N., Thorstad, E. B., Davidsen, J. G., Okland, F., Sivertsgard, R., Mckinley, R. S. & Finstad, B. (2009). Vertical movements of Atlantic salmon post-smolts relative to measures of salinity and water temperature during the first phase of the marine migration. Fisheries Management and Ecology, 16(2): 147-154. S44828
- Schroer, M., Wittmann, A. C., Gruner, N., Steeger, H.-U., Bock, C., Paul, R. & Portner, H.-O. (2009). Oxygen limited thermal tolerance and performance in the lugworm *Arenicola marina*: A latitudinal comparison. Journal of Experimental Marine Biology and Ecology, 372(1-2): 22-30. S44629
- Selim, K. M., Shinomiya, A., Otake, H., Hamaguchi, S. & Sakaizumi, M. (2009). Effects of high temperature on sex differentiation and germ cell population in medaka, *Oryzias latipes*. Aquaculture, 289(3-4): 340-349. S44615
- Simmonds, M. P. & Elliott, W. J. (2009). Climate change and cetaceans: concerns and recent developments. Journal of the Marine Biological Association of the United Kingdom, 89(1): 203-210. S44599
- Sotka, E. E. & Giddens, H (2009). Seawater temperature alters feeding discrimination by cold-temperate but not subtropical individuals of an ectothermic herbivore. Biological Bulletin, 216(1): 75-84. S44555
- Strychar, K. B. & Sammarco, P. W.(2009). Exaptation in corals to high seawater temperatures: Low concentrations of apoptotic and necrotic cells in host coral tissue under bleaching conditions. Journal of Experimental Marine Biology and Ecology, 369(1): 31-42. S44498
- Tang, H. S. & Keen, T. R.(2009). Analytical solutions for open-channel temperature response to unsteady thermal discharge and boundary heating. J. Hydraul. Eng., 135(4): 327-332. S44557
- Uehara, S. & Mitani, T. (2009). Effect of temperature on the development of eggs and the daily pattern of spawning of round herring *Etrumeus teres*. Fish. Sci., 75(1): 159-165. S44427
- Yakovleva, I. M., Baird, A. H., Yamamoto, H. H., Bhagooli, R., Nonaka, M. & Hidaka, M (2009). Algal symbionts increase oxidative damage and death in coral larvae at high temperatures. Mar. Ecol. Prog. Ser., 378: 105-112. S44529

海洋酸性化・CO₂

- 林 栄治・小牧博信・寺田慎一・松本 弘 (2009). 特集 低炭素社会の実現に向けた電力エネルギー・環境技術VI. CO₂の回収, 利用, 搬送と貯蓄 5) CO₂の貯蓄. 火力原子力発電, 60(10): 135-140. S44813
- 神野秀基・吉川 成・井上修行・深作善郎 (2009). 特集 低炭素社会の実現に向けた電力エネルギー・環境技術VI. CO₂の回収, 利用, 搬送と貯蓄 4) CO₂の昇圧・搬送. 火力原子力発電, 60(10): 129-134. S44812
- 小嶋保彦 (2009). 特集 低炭素社会の実現に向けた電力エネルギー・環境技術VI. CO₂の回収, 利用, 搬送と貯蓄 3) CO₂の利用. 火力原子力発電, 60(10): 123-128. S44811
- 森塚秀人 (2009). 2050 年における電気事業からの CO₂排出削減に関する一考察. 電中研報告, M08009, 42pp. S44666
- 山田敏彦 (2009). 特集 低炭素社会の実現に向けた電力エネルギー・環境技術VI. CO₂の回収, 利用, 搬送と貯蓄 1) 酸素燃焼技術による CO₂回収. 火力原子力発電, 60(10): 112-117. S44809
- 米川隆仁・梶谷嘉則 (2009). 特集 低炭素社会の実現に向けた電力エネルギー・環境技術VI. CO₂ の回収, 利用, 搬送と貯蓄 2) CO₂回収技術の現状. 火力原子力発電, 60(10): 118-122. S44810
- Bassia, D., Nebelsickb, J. H., Checconic, A., Hoheneggerd, J. & Iryu, Y. (2009). Present-day and fossil rhodolith pavements compared: Their potential for analysing shallow-water carbonate deposits. *Sediment. Geol.*, 214(1-4): 74-84. S44436
- Brewer, P. G. & Peltzer, E. T (2009). Limits to marine life. *Science*, 324(5925): 347-348. S44803
- Clark, D., Lamare, M. & Barker, M (2009). Response of sea urchin pluteus larvae (Echinodermata: Echinoidea) to reduced seawater pH: a comparison among a tropical, temperate, and a polar species. *Mar. Biol.*, 156(6): 1125-1137. S44695
- Cooley, S. R. & Doney, S. C. (2009). Anticipating ocean acidification's economic consequences for commercial fisheries. *Environ. Res. Lett.*, 4 (024007): 1-8. S44796
- Doney, S. C., Fabry, V. J., Feely, R. A. & Kleypas, J. A. (2009). Ocean acidification: the other CO₂ problem. *Annu. Rev. Mar. Sci.*, 1: 169-192. S44817
- Gambaiani, D. D., Mayol, P., Isaac, S. J. & Simmonds, M. P. (2009). Potential impacts of climate change and greenhouse gas emissions on Mediterranean marine ecosystems and cetaceans. *Journal of the Marine Biological Association of the United Kingdom*, 89(1): 179-201. S44598
- Lefevre, N. (2009). Low CO₂ concentrations in the Gulf of Guinea during the upwelling season in 2006. *Mar. Chem.*, 113(1-2): 93-101. S44563
- Melzner, F., Gobel, S., Langenbuch, M., Gutowska, M. A., Portner, H.-O. & Lucassen, M (2009). Swimming performance in Atlantic Cod (*Gadus morhua*) following long-term (4-12 months) acclimation to elevated seawater PCO₂. *Aquatic Toxicology*, 92(1): 30-37. S44679

海洋環境・環境保全

- 関口 秀夫・水野 知巳 (2009). 木曽三川流域の汽水域の環境保全と整備方針・整備計画—シジミ漁業の保全と絡めて. 沿岸海洋研究, 46(2): 185-206. S44472
- 清水康弘・中野みよ (2009). 硝酸カルシウムによる底質改良メカニズムの解明. 水環境学会誌, 32(4): 197-204. S44523
- 杉山陽一・櫻庭宏宇 (2009). 波の進入を防ぎながら、海水をキレイに保つ：浮体式海水交換型防波堤. 技術開発ニュース(中部電力) (134): 37-38. S44662
- 鈴木健吾・日向野純也・斎藤 肇・河邊 玲 (2009). 平成 20 年度 春季シンポジウム 九州西部の二枚貝漁場における環境修復と漁場造成－有明海を中心にその現状と課題－. 水産工学 45(3): 239-247. S44460
- Conley, D. J., Carstensen, J., Vaquer-Sunyer, R. & Duarte, C. M. (2009). Relationship between eutrophication reference conditions and boundary settings considering OSPAR recommendations and the Water Framework Directive-examples from the German Bight. Hydrobiologia, 629(1): 91-106. S44693
- Cromey, C. J., Nickell, T. D., Treasurer, J., Black, K. D. & Inall, M (2009). Modelling the impact of cod (*Gadus morhua* L.) farming in the marine environment-CODMOD. Aquaculture. 289(1-2): 42-53. S44619
- Langhamer, O., Wilhelmsson, D. & Engstrom, J. (2009). Artificial reef effect and fouling impacts on offshore wave power foundations and buoys - a pilot study. Estuarine Coastal and Shelf Science, 80(3): 426-432. S44682
- Yamashita, Y. & Tanoue, E (2009). Basin scale distribution of chromophoric dissolved organic matter in the Pacific Ocean. Limnol. Oceanogr., 54(2): 598-609. S44710

海洋汚染

- 張野宏也 (2009). 船底防汚物質による海洋汚染.瀬戸内海, (57): 14-18. S44648
- 岩田伸弘・田中克彦・難波憲二 (2009). 懸濁物質が魚類に及ぼす影響；粘土鉱物(パイロファイト、セリサイト)がヒラメの生存に及ぼす影響. 電研報告, V08014, 15pp. S44665
- 角埜彰・小山次朗・隱塚俊満・持田和彦・藤井一則 (2009). マミチョグとマダイに対する環境汚染物質の臨海体内残留量と毒性との関連. 水産増殖, 57(1): 19-30. S44601
- 小山次朗 (2009). 有害化学物質による海洋汚染の水産物への影響. 化学物質と環境, (93): 7-9. S44573
- Claussen, U., Zevenboom, W., Brockmann, U., Topcu, D. & Bot, P. (2009). Assessment of the eutrophication status of transitional, coastal and marine waters within OSPAR. Hydrobiologia, 629(1): 49-58. S44688
- Friedman, C. L., Burgess, R. M., Perron, M. M., Cantwell, M. G., Ho, K. T. & Lohmann, R. (2009). Comparing polychaete and polyethylene uptake to assess sediment resuspension effects on PCB bioavailability. Environ. Sci. Technol., 43(8): 2865-2870. S44623

- Padmini, E. & Rani, M. U.(2009). Seasonal influence on heat shock protein 90 α and heat shock factor 1 expression during oxidative stress in fish hepatocytes from polluted estuary. Journal of Experimental Marine Biology and Ecology, 372(1-2): 1-8. S44628
- Skogen, M. D. & Mathisen, L. R. (2009). Long-term effects of reduced nutrient inputs to the North Sea. Estuarine Coastal and Shelf Science, 80(3): 433-442. S44683
- Standring, W. J. F., Dowdall, M., Amundsen, I. & Strand, P. (2009). Floating nuclear power plants: Potential implications for radioactive pollution of the northern marine environment. Mar. Pollut. Bull., 58(2): 174-178. S44581
- Tairovaa, Z. M., Giessingb, A. M. B., Hansenc, R. & Andersen, O. (2009). 1-Hydroxypyrene as a biomarker of PAH exposure in the marine polychaete *Nereis diversicolor*. Mar. Environ. Res., 67(1): 38-46. S44440

鉄

- Laglera, L. M. & van den Berg, C. M. G. (2009). Evidence for geochemical control of iron by humic substances in seawater. Limnol. Oceanogr., 54(2): 610-619. S44711
- **** (2009). News: Iron fertilization of sea fails to show desired results. Mar. Pollut. Bull., 58(5): 639-642. S44589

貧酸素

- 赤迫初美・藤原建紀・駒井幸雄 (2009). 大阪湾奥部港内外における貧酸素化の実態. 日本水環境学会年会講演集 43. 35. S44759
- 小島諒子・遠矢 亮・石丸 隆・賞雅寛而・川上啓介・大塚和臣 (2009). 東京海洋大学品川キャンパス係船場の環境特性と貧酸素水塊改善の試み. 東京海洋大研報, (5): 29-44. S44684
- Brady, D. C., Targett, T. E. & Tuzzolino, D. M. (2009). Behavioral responses of juvenile weakfish (*Cynoscion regalis*) to diel-cycling hypoxia: swimming speed, angular correlation, expected displacement, and effects of hypoxia acclimation. Can. J. Fish. Aquat. Sci., 66(3): 415-424. S44640
- Conley, D. J., Carstensen, J., Vaquer-Sunyer, R. & Duarte, C. M. (2009). Ecosystem thresholds with hypoxia. Hydrobiologia, 629(1): 21-29. S44708
- Hassell, K. L., Coutin, P. C. & Nugegoda, D. (2009). A novel approach to controlling dissolved oxygen levels in laboratory experiments. Journal of Experimental Marine Biology and Ecology, 371(2): 147-154. S44627
- Johnson, M. W., Powers, S. P., Senne, J. & Park, K. (2009). Assessing in Situ Tolerances of Eastern Oysters (*Crassostrea virginica*) Under Moderate Hypoxic Regimes: Implications for Restoration, J. Shellfish Res., 28(2): 185-192. S44635
- Jorgensen, S. J., Klimley, A. P. & Muhlia-Melo, A. F. (2009). Scalloped hammerhead shark *Sphyrna lewini*, utilizes deep-water, hypoxic zone in the Gulf of California. J. Fish Biol., 74(7): 1682-1687. S44799
- Rummer, J. L., Fangue, N. A., Jordan, H. L., Tiffany, B. N., Blansit, K. J., Galleher, S., Kirkpatrick, A.,

Kizlauskas, A. A., Pomory, C. M. & Bennett, W. A. (2009). Physiological tolerance to hyperthermia and hypoxia and effects on species richness and distribution of rockpool fishes of Loggerhead Key, Dry Tortugas National Park. *Journal of Experimental Marine Biology and Ecology*, 371(2): 155-162. S44791

海洋環境放射能

稻富直彦・鈴木千吉・御園生 淳・原 猛也・城戸勝利・太田 博・小島健治 (2009). (6) 日本周辺海域における人工放射性核種の濃度分布と経年変化について. *放射線科学*, 52(3): 34-39. S44608

帰山秀樹 (2009). 太平洋東北沖における放射性核種の挙動に果たすプランクトンの役割について. *放射線科学*, 52(3): 16-22. S44605

小林卓也 (2009). 海洋における放射性核種の挙動モデルについて. *放射線科学*, 52(3): 53-57. S44611

中西貴宏 (2009). 「沿岸一海洋域における放射性核種の動態の総合的調査研究」の概要説明. *放射線科学*, 52(3): 12-15. S44604

及川真司・磯山直彦・御園生 淳・稻富直彦・鈴木千吉・鈴木奈緒子・中原元和・中村良一・渡部輝久・森薦繁光・藤井誠二・原 猛也 (2009). 海産生物筋肉中 ^{137}Cs 放射能分析結果に対する試料前処理技術の影響および近年のバックグラウンド濃度. *保健物理*, 44(2): 198-208. S44696

島 茂樹 (2009). 青森県周辺における放射性核種の挙動に影響を与える海況について—海洋観測結果とモデルシミュレーション. *放射線科学*, 52(3): 40-47. S44609

立田 穢 (2009). 沿岸域における放射性核種の海産生物への移行について—沿岸域の海産生物への移行挙動予測モデル. *放射線科学*, 52(3): 23-26. S44606

植田真司・近藤邦男・久松俊一 (2009). 六ヶ所村大型再処理施設周辺の水圏環境における放射性核種移行モデルの構築. *放射線科学*, 52(3): 48-52. S44610

山田雅俊 (2009). 海水、懸濁粒子、沈降粒子および堆積物中のプルトニウム同位体の分布と挙動. *放射線科学*, 52(3): 27-33. S44607

Santos, I. R., Dimova, N., Peterson, R. N., Mwashote, B., Chanton, J. & Burnett, W. C (2009). Extended time series measurements of submarine groundwater discharge tracers (^{222}Rn and CH_4) at a coastal site in Florida. *Mar. Chem.*, 113(1-2): 137-147. S44564

Standring, W. J. F., Dowdall, M., Amundsen, I. & Strand, P. (2009). Floating nuclear power plants: Potential implications for radioactive pollution of the northern marine environment. *Mar. Pollut. Bull.*, 58(2): 174-178. S44581

化学物質・危害物質・環境汚染物質

- 古田岳志・菊池弘太郎・岩田伸弘(2009). 海産魚仔魚を対策とした長期毒性試験におけるカクレクマノミの有効性. 電中研報告, V08009, 42pp. S44663
- 張野宏也(2009). 船底防汚物質による海洋汚染.瀬戸内海, (57): 14-18. S44648
- 福嶋 実(2009). 化学物質管理に関する国際動向と瀬戸内海の現状.瀬戸内海, (57): 4-9. S44647
- 小山次朗(2009). 有害化学物質による海洋汚染の水産物への影響. 化学物質と環境, (93): 7-9. S44573
- 中野 武(2009). 化学物質と瀬戸内海.瀬戸内海, (57): 19. S44649
- Bjorkblom, C., Hogfors, E., Salste, L., Bergelin, E., Olsson, P.-E., Katsiadaki, I. & Wiklund, T.(2009). Estrogenic and androgenic effects of municipal wastewater effluent on reproductive endpoint biomarkers in three-spined stickleback (*Gasterosteus aculeatus*). Environ. Toxicol. Chem., 28(5): 1063-1071. S44790
- Brandli, r. c., breedveld, g. d. & cornelissen, G (2009). Tributyltin sorption to marine sedimentary black carbon and to amended activated carbon. Environ. Toxicol. Chem., 28(3): 503-508. S44496
- Chance, R., Baker, A. R., Kupper, F. C., Hughes, C., Kloareg, B. & Malin, G. (2009). Release and transformations of inorganic iodine by marine macroalgae. Estuarine Coastal and Shelf Science, 80(3): 406-414. S44681
- Chen, C. Y., Dionne, M., Mayes, B. M., Ward, D. M., Sturup, S. & Jackson, B. P. (2009). Mercury bioavailability and bioaccumulation in estuarine food webs in the Gulf of Maine. Environ. Sci. Technol., 43(6): 1804-1810. S44531
- Conaway, C. H., Black, F. J., Gault-Ringold, M., Pennington, J. T., Chavez, F. P. & Flegal, A. R (2009). Dimethylmercury in coastal upwelling waters, Monterey Bay, California. Environ. Sci. Technol., 43(5): 1305-1309. S44534
- Crump, k. l. & Trudeau, V. L. (2009). Mercury-induced reproductive impairment in fish. Environ. Toxicol. Chem. 28(5): 895-907. S44625
- Friedman, C. L., Burgess, R. M., Perron, M. M., Cantwell, M. G., Ho, K. T. & Lohmann, R. (2009). Comparing polychaete and polyethylene uptake to assess sediment resuspension effects on PCB bioavailability. Environ. Sci. Technol., 43(8): 2865-2870. S44623
- Harmelin-Vivien, M., Cossa, D., Crochet, S., Banaru, D., Letourneau, Y. & Mellon-Duval, C (2009). Difference of mercury bioaccumulation in red mullets from the north-western Mediterranean and Black seas. Mar. Pollut. Bull., 58(5): 679-685. S44706
- Huwe, J., Pagan-Rodriguez, D., Abdelmajid, N., Clinch, N., Gordon, D., Holterman, J., Zaki, E., Lorentzen, M. & Dearfield, K (2009). Survey of polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans, and non-ortho-polychlorinated biphenyls in U.S. meat and poultry, 2007-2008: effect of new toxic equivalency factors on toxic equivalency levels, patterns, and temporal trends. Journal of Agricultural and Food Chemistry, 57(23): 11194-11200. S44841
- Jahnke, A., Mayer, P., Broman, D. & McLachlan, M. S. (2009). Possibilities and limitations of equilibrium sampling using polydimethylsiloxane in fish tissue. Chemosphere, 77(6): 764-770. S44816

- Jin, Y., Chen, R., Sun, L., Liu, W. & Fu, Z. (2009). Photoperiod and temperature influence endocrine disruptive chemical-mediated effects in male adult zebrafish. *Aquatic Toxicology*, 92(1): 38-43. S44639
- Kakuno, A., Koyama, J., Onduka, T., Mochida, K. & Fujii, K. (2009). The comparison of the critical body residues and toxicity between marine fish mummichog, *Fundulus heteroclitus* and red sea bream, *Pagrus major* for environmental chemicals. *Aquaculture Sci.*, 57(1): 19-30. S44601
- Ki, J.-S., Raisuddin, S., Lee, K.-W., Hwang, D.-S., Han, J., Rhee, J.-S., Kim, I.-C., Park, H. G., Ryu, J.-C. & Lee, J.-S (2009). Gene expression profiling of copper-induced responses in the intertidal copepod *Tigriopus japonicus* using a 6K oligochip microarray. *Aquatic Toxicology*, 92(4): 177-187 S44793
- Kwok, K. W. H., Grist, E. P. M. & Leung, K. M. Y. (2009). Acclimation effect and fitness cost of copper resistance in the marine copepod *Tigriopus japonicus*. *Ecotoxicol. Environ. Saf.*, 72(2): 358-364. S44421
- Lee, W. & Westerhoff, P. (2009). Formation of organic chloramines during water disinfection - chlorination versus chloramination. *Water Res.*, 43(8): 2233-2239. S44715
- Luengen, A. C. & Flegal, A. R (2009). Role of phytoplankton in mercury cycling in the San Francisco Bay estuary. *Limnol. Oceanogr.*, 54(1): 23-40. S44697
- Miao, J.-J., Pan, L.-Q., Liu, J. & Zhang, L. (2009). Effects of benzo[a]pyrene on DNA damage and histological alterations in gonad of scallop *Chlamys farreri*. *Mar. Environ. Res.*, 67(1): 47-52. S44441
- Milford, J. B. & Pienciak, A. (2009). After the Clean Air Mercury Rule: prospects for reducing mercury emissions from coal-fired power plants. *Environ. Sci. Technol.*, 43(8): 2669-2673. S44622
- Nakao, M., Seoka, M., Nakatani, M., Okada, T., Miyashita, S., Tsukamasa, Y., Kawasaki, K. & Ando, M. (2009). Reduction of mercury levels in cultured bluefin tuna, *Thunnus orientalis*, using feed with relatively low mercury levels. *Aquaculture*, 288(3-4): 226-232. S44617
- Pan, K. & Wang, W.-X. (2009). Biodynamics to explain the difference of copper body concentrations in five marine bivalve species. *Environ. Sci. Technol.*, 43(6): 2137-2143. S44525
- Perron, M. M., Burgess, R M., Ho, K. T., Pelletier, M. C., Friedman, C. L., Cantwell, M. G. & Shine, J. P. (2009). Development and evaluation of reverse polyethylene samplers for marine phase II whole-sediment toxicity identification evaluations. *Environ. Toxicol. Chem.*, 28(4): 749-758. S44526
- Pirainoa, M. N. & Taylor, D. L. (2009). Bioaccumulation and trophic transfer of mercury in striped bass (*Morone saxatilis*) and tautog (*Tautoga onitis*) from the Narragansett Bay (Rhode Island, USA). *Mar. Environ. Res.*, 67(3): 117-128. S44576
- Streets, D. G., Zhang, Q. & Wu, Y (2009). Projections of Global Mercury Emissions in 2050. *Environ. Sci. Technol.*, 43(8): 2983-2988. S44624
- Tairovaa, Z. M., Giessingb, A. M. B., Hansenc, R. & Andersen, O. (2009). 1-Hydroxypyrene as a biomarker of PAH exposure in the marine polychaete *Nereis diversicolor*. *Mar. Environ. Res.*, 67(1): 38-46. S44440
- Takeuchi, I., Miyoshi, N., Mizukawa, K., Takada, H., Ikemoto, T., Omori, K. & Tsuchiya, K (2009). Biomagnification profiles of polycyclic aromatic hydrocarbons, alkylphenols and polychlorinated biphenyls in Tokyo Bay elucidated by $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ isotope ratios as guides to trophic web

structure. Mar. Pollut. Bull., 58(5): 663-671. S44588

Xuereb, B., Chaumot, A., Mons, R., Garric, J. & Geffard, O. (2009). Acetylcholinesterase activity in *Gammarus fossarum* (*Crustacea Amphipoda*): Intrinsic variability, reference levels, and a reliable tool for field surveys. Aquatic Toxicology, 92(4): 225-233. S44814

生物実験

- Bjorkblom, C., Hogfors, E., Salste, L., Bergelin, E., Olsson, P.-E., Katsiadaki, I. & Wiklund, T. (2009). Estrogenic and androgenic effects of municipal wastewater effluent on reproductive endpoint biomarkers in three-spined stickleback (*Gasterosteus aculeatus*). Environ. Toxicol. Chem., 28(5): 1063-1071. S44790
- Gunnarsli, K. S., Toftsen, H. & Mortensen, A. (2009). Effects of nitrogen gas supersaturation on growth and survival in larval cod (*Gadus morhua* L.). Aquaculture, 288(3-4): 344-348. S44618
- Hassell, K. L., Coutin, P. C. & Nugegoda, D. (2009). A novel approach to controlling dissolved oxygen levels in laboratory experiments. Journal of Experimental Marine Biology and Ecology, 371(2): 147-154. S44627
- Kavanaugh, M. T., Nielsen, K. J., Chan, F. T., Menge, B. A., Letelier, R. M. & Goodrich, L. M (2009). Experimental assessment of the effects of shade on an intertidal kelp: Do phytoplankton blooms inhibit growth of open coast macroalgae? Limnol. Oceanogr., 54(1): 276-288. S44698
- Madison, B. N., Dhillon, R. S., Tufts, B. L. & Wang, Y. S (2009). Exposure to low concentrations of dissolved ammonia promotes growth rate in walleye *Sander vitreus*. J. Fish Biol., 74(4): 872-890. S44536

生態系

- 長副聰・島崎洋平・松原賢・紫加田知幸・山崎康裕・吉田幸史・久野勝利・大嶋雄治・本城凡夫 (2009). 有明海奥部, 塩田川河口海域における物理・化学的要因と植物プランクトンの増殖との関係. 沿岸海洋研究, 46(2): 141-151. S44469
- 小野哲・多田邦尚・一見和彦. (2009). 大型珪藻 *Coscinodiscus wailesii* の沈降に伴う生元素の鉛直輸送と沿岸海域の栄養塩環境への影響. 沿岸海洋研究, 46(2): 153-160. S44470
- 山口創一・速水祐一 (2009). 有明海湾奥における出水後の低塩分水塊の挙動およびその水質への影響. 沿岸海洋研究, 46(2): 161-173. S44471
- Chen, C. Y., Dionne, M., Mayes, B. M., Ward, D. M., Sturup, S. & Jackson, B. P. (2009). Mercury bioavailability and bioaccumulation in estuarine food webs in the Gulf of Maine. Environ. Sci. Technol., 43(6): 1804-1810. S44531
- Coelho, J. P., Pereira, M. E., Duarte, A. C. & Pardal, M. A. (2009). Contribution of primary producers to mercury trophic transfer in estuarine ecosystems: Possible effects of eutrophication. Mar. Pollut. Bull., 58(3): 358-365. S44553

- Conley, D. J., Carstensen, J., Vaquer-Sunyer, R. & Duarte, C. M. (2009). Ecosystem thresholds with hypoxia. *Hydrobiologia*, 629(1): 21-29. S44708
- Dauvin, J.-C. & Ruellet, T. (2009). The estuarine quality paradox: Is it possible to define an ecological quality status for specific modified and naturally stressed estuarine ecosystems? *Mar. Pollut. Bull.*, 59(1-3): 38-47. S44585
- Eyre, B. D. & Ferguson, A. J. P. (2009). Denitrification efficiency for defining critical loads of carbon in shallow coastal ecosystems. *Hydrobiologia*, 629(1): 137-146. S44689
- Fulweiler, R. W. & Nixon, S. W. (2009). Responses of benthic-pelagic coupling to climate change in a temperate estuary. *Hydrobiologia*, 629(1): 147-156. S44709
- Gambaiani, D. D., Mayol, P., Isaac, S. J. & Simmonds, M. P. (2009). Potential impacts of climate change and greenhouse gas emissions on Mediterranean marine ecosystems and cetaceans. *Journal of the Marine Biological Association of the United Kingdom*, 89(1): 179-201. S44598
- McQuatters-Gollop, A., Gilbert, A. J., Mee, L. D., Vermaat, J. E., Artioli, Y., Humborg, C. & Wulff, F. (2009). How well do ecosystem indicators communicate the effects of anthropogenic eutrophication? *Estuarine Coastal and Shelf Science*, 82(4): 583-596. S44792
- Petersen, W., Wehde, H., Krasemann, H., Colijna, F. & Schroedera, F (2009). Ferry Box and MERIS - Assessment of coastal and shelf sea ecosystems by combining in situ and remotely sensed data. *Estuarine Coastal and Shelf Science*, 77(2): 296-307. S44788
- Shimizu, I. (2009). The effect of sea ice on the oceanographic structure and phytoplankton biomass in the Nemuro Strait, a nursery area of salmon. *Bull. Fish. Res. Agen.*, (27): 43-94. S44509
- van Katwijk, M. M., Bos, A. R., de Jonge, V. N., Hanssen, L.S. A. M., Hermus, D. C. R. & de Jong, D. J. (2009). Guidelines for seagrass restoration: Importance of habitat selection and donor population, spreading of risks, and ecosystem engineering effects. *Mar. Pollut. Bull.*, 58(2): 179-188. S44582
- Williamson, N., Komiyama, A., Maruyama, S., Behnia, M. & Armfield, S. W (2009). Nutrient transport from an artificial upwelling of deep sea water. *J. Oceanogr.*, 65(3): 349-360. S44632

藻場・干潟・サンゴ礁

- 青木優和・田中克彦・熊谷直喜・伊藤 敦・ベギネール サバン・小松輝久 (2009). 流れ藻葉上動物群集の形成パターン. *沿岸海洋研究*, 46(2): 137-140. S44468
- 藤井暁彦・道山昌子・横山桂裕・関根雅彦 (2009). 英虞湾内自然干潟および浚渫土を用いた人工干潟における酸素消費速度と総基礎生産速度の定量的観測. *水環境学会誌*, 32(5): 273-280. S44653
- 藤原宗弘・山賀賢一・香川 哲・末永慶寛 (2009). 瀬戸内海東部の香川県小豆島沿岸における海草の分布とアマモの季節変化. *香川水試研報*, (10): 9-15. S44670
- 石川竜子 (2009). 新潟県沿岸におけるアマモ場の分布および種組成について. *新潟水産海洋研報告*, (2): 57-62. S44613
- 蒲原 聰・服部 克・甲斐正信・原田靖子・桑原久実・鈴木輝明・高倍昭洋 (2009). 伊勢湾東部知多半島先端域のサガラメ *Eisenia arborea* 群落における波浪流速がアイゴ *Siganus*

- fuscescens* の採食圧に与える影響. 水産工学, 45(3): 221-228. S44459
- 金田友紀 (2009). 水産工学シリーズ 北海道南西部日本海沿岸における磯焼けの修復技術. 北水試だより, (77): 18-21. S44521
- 川俣 茂 (2009). ウニ・アワビと海藻を共存させる新技術. 養殖, 46(2): 22-26. S44643
- 木下淳司 (2009). 人工リーフへのカジメ藻場移植と群落の拡大に関する研究. 水産工学, 45(3): 169-178. S44457
- 国分秀樹・矢持 進 (2009). 英虞湾内自然干潟および浚渫土を用いた人工干潟における酸素消費速度と総基礎生産速度の定量的観測. 水環境学会誌, 32(5): 259-266. S44652
- 小松輝久・三上温子・鯵坂哲朗・上井進也・青木優和・田中克彦・福田正浩・國分優孝・田中 潔・道田 豊・杉本隆成 (2009). ホンダワラ類流れ藻の生態学的特徴. 沿岸海洋研究, 46(2): 127-136. S44467
- 桑原久実 (2009). 全国 15 カ所に展開中！地元の実情に合わせた磯焼け対策ガイドライン. 養殖, 46(2): 19-21. S44642
- 田井野清也・林 芳弘・上野幸徳 (2009). 里海づくりを目指した藻場再生手法の確立. 高知水試事業報告, 平成 19 年度: 93-101. S44511
- Bassia, D., Nebelsickb, J. H., Checconic, A., Hoheneggerd, J. & Iryu, Y. (2009). Present-day and fossil rhodolith pavements compared: Their potential for analysing shallow-water carbonate deposits. Sediment. Geol., 214(1-4) 74-84. S44436
- Basso, d., nalin, r. & nelson, C. S. (2009). Shallow-water *Sporolithon* rhodoliths from north island (New Zealand). Palaios, 24(2): 92-103. S44597
- Lewis, m. a. & devereux, R. (2009). Nonnutritive anthropogenic chemicals in seagrass ecosystems: fate and effects. Environ. Toxicol. Chem., 28(3): 644-661. S44497
- Lirman, D. & Manzello, D. (2009). Patterns of resistance and resilience of the stress-tolerant coral *Siderastrea radians* (Pallas) to sub-optimal salinity and sediment burial. Journal of Experimental Marine Biology and Ecology, 369(1): 72-77. S44500
- Neo, M. L., Todd, P. A., Teo, S. L.-M. & Chou, L. M. (2009). Can artificial substrates enriched with crustose coralline algae enhance larval settlement and recruitment in the fluted giant clam (*Tridacna squamosa*)? Hydrobiologia, 625: 83-90. S44571
- Park, S. R., Kim, J.-H., Kang, C.-K., An, S., Chung, I. K., Kim, J. H. & Lee, K.-S. (2009). Current status and ecological roles of *Zostera marina* after recovery from large-scale reclamation in the Nakdong River estuary, Korea. Estuarine Coastal and Shelf Science, 81(1): 38-48. S44442
- Riul, P., Lacouture, P., Pagliosa, P. R., Christoffersen, M. L. & Horta, P. A. (2009). Rhodolith beds at the easternmost extreme of South America: Community structure of an endangered environment. Aquatic Botany, 90(4): 315-320. S44587
- Rosas-Alquicira, E. F., Riosmena-Rodriguez, R., Couto, R. P. & Neto, A. I. (2009). New additions to the Azorean algal flora, with ecological observations on rhodolith formations. Cah. Biol. Mar., 50(2): 143-151. S44694
- van Katwijk, M. M., Bos, A. R., de Jonge, V. N., Hanssen, L.S. A. M., Hermus, D. C. R. & de Jong, D. J. (2009). Guidelines for seagrass restoration: Importance of habitat selection and donor population,

- spreading of risks, and ecosystem engineering effects. Mar. Pollut. Bull., 58(2): 179-188. S44582
- Venn, A. A., Quinn, J., Jones, R. & Bodnar, A (2009). P-glycoprotein (multi-xenobiotic resistance) and heat shock protein gene expression in the reef coral *Montastraea franksi* in response to environmental toxicants. Aquatic Toxicology, 92(4): 188-195. S44794
- Wicks, E. C., Koch, E. W., O'Neil, J. M. & Elliston, K. (2009). Effects of sediment organic content and hydrodynamic conditions on the growth and distribution of *Zostera marina*. Mar. Ecol. Prog. Ser., 378: 71-80. S44528

安定同位体

- 小林志保・藤原建紀・堀 豊・藤原宗弘・高木秀蔵 (2009). 東部瀬戸内海における養殖ノリの炭素・窒素安定同位体比分布. 瀬戸内海, (57): 34-37. S44651
- Carvalho, M. C. d., Hayashizaki, K. & Ogawa, H. (2009). Carbon stable isotope discrimination: a possible growth index for the kelp *Undaria pinnatifida*. Mar. Ecol. Prog. Ser., 381: 71-82. S44637
- Takeuchi, I., Miyoshi, N., Mizukawa, K., Takada, H., Ikemoto, T., Omori, K. & Tsuchiya, K (2009). Biomagnification profiles of polycyclic aromatic hydrocarbons, alkylphenols and polychlorinated biphenyls in Tokyo Bay elucidated by $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ isotope ratios as guides to trophic web structure. Mar. Pollut. Bull., 58(5): 663-671. S44588

モデリング

- Asaeda, T. & Kalibbala, M (2009). Modelling growth and primary production of the marine mangrove (*Rhizophora apiculata* BL): A dynamic approach. Journal of Experimental Marine Biology and Ecology, 371(2): 103-111. S44626
- Cromey, C. J., Nickell, T. D., Treasurer, J., Black, K. D. & Inall, M (2009). Modelling the impact of cod (*Gadus morhua* L.) farming in the marine environment? CODMOD. Aquaculture, 289(1-2): 42-53. S44619

増養殖

- 有元 操 (2009). クロマグロ養殖の現状と展望. 技術士(日本技術士会), (506): 16-19. S44522
- 馬場勝寿・菅原理恵子・奥村裕弥 (2009). 噴火湾ホタテガイ養殖における採苗の良否に影響する要因について (エルニーニョ・ラニーニャの影響). 北水試だより, (77): 1-6. S44520
- 藤原宗弘・松岡 聰・山賀賢一・吉松定昭 (2009). 香川県におけるノリ養殖生産の現状と問題点. 香川水試研報, (10): 17-24. S44671
- 萩原篤志・中本 崇 (2009). 種苗生産 新規餌料生物としての汽水産ミジンコ「ディアファノソーマ」. アクアネット, 12(3): 54-57. S44501

- 伊藤 靖・中野喜央・藤澤真也. (2009). 人工魚礁の蝦集魚類と摂餌生態－漁場施設の魚類増殖効果に関する研究－III. 水産工学, 45(3): 195-206. S44458
- 風間貴充・長阪玲子・潮 秀樹・佐藤秀一 (2009). 養殖飼育への穀類糖成分オリザノールの添加効果. 養殖, 46(1): 48-50. S44641
- 小林志保・藤原建紀・堀 豊・藤原宗弘・高木秀蔵 (2009). 東部瀬戸内海における養殖ノリの炭素・窒素安定同位体比分布. 瀬戸内海, (57): 34-37. S44651
- 黒田広樹 (2009). 西条市河原津干潟におけるアサリ増殖試験について. 愛媛水研だより, (1): 8-9. S44506
- 松里壽彦 (2009). 戰略的養殖業のススメ(4)～養殖業の持続的発展のために～ 第3回 介類養殖が抱える課題. アクアネット, 12(4): 66-68. S44504
- 森岡泰三・長倉義智・村上直人・市川 卓・白藤徳夫・福永恭平・渡邊精一 (2009). ハタハタ仔魚の外部栄養への転換、絶食耐性および絶食が仔魚の遊泳速度に与える影響. 日本水産学会誌, 75(3): 376-382. S44657
- 農林水産省 農林水産技術会議 (2009). 農林水産研究開発レポート No.26 「広域回遊魚類（ウナギ・マグロ）の完全養殖技術開発. 農林水産省, (26): 1-20. S44505
- 小野征一郎・中原尚知 (2009). 魚類養殖業の現状と課題. 水産増殖, 57(1): 149-164. S44603
- 島田裕至 (2009). □-14 高水温耐性ノリ品種改良試験事業. 千葉水産研究センター業務年報, 平成 19 年度: 53-54. S44513
- 清水浩視 (2009). 最適条件によるカジメ種苗生産技術. 技術開発ニュース(中部電力), (134): 23. S44661
- 鈴木健吾・日向野純也・斎藤 肇・河邊 玲 (2009). 平成 20 年度 春季シンポジウム 九州西部の二枚貝漁場における環境修復と漁場造成－有明海を中心にその現状と課題－. 水産工学, 45(3): 239-247. S44460
- 寺脇利信・新井章吾 (2009). 29. 新潟県栗島南東岸・小柴山地先の小型ブロック設置地点. 藻類, 57(1): 1-4. S44461
- 山本芳正・中井大介 (2009). 温排水流入河川におけるティラピアの個体成長. 水産増殖, 57(1): 109-116. S44602
- Cromey, C. J., Nickell, T. D., Treasurer, J., Black, K. D. & Inall, M (2009). Modelling the impact of cod (*Gadus morhua* L.) farming in the marine environment- CODMOD. Aquaculture, 289(1-2): 42-53. S44619

資源・生態

- 福田博文 (2009). ブリのアーカイバルタグによる標識放流調査 I ; 2007 年 2 月標識放流ブリの再捕状況・回遊経路・遊泳行動. 宮崎水試事業報告書, 平成 19 年度: 62-69. S44672

- 福田博文 (2009). ブリのアーカイバルタグによる標識放流調査 I ; 2008年3月に日向灘南部海域で行ったブリの標識放流. 宮崎水試事業報告書, 平成19年度: 70-71. S44673
- 本田晴朗・山本亮介 (2009). 河川生活期のアユの物理環境選好性. 電研報告, V08013, 15pp. S44664
- 石崎大介・大竹二雄・佐藤達也・淀 太我・吉岡 基・柏木正章 (2009). 耳石微量元素分析を用いた三重県加茂川におけるウグイの回遊履歴の推定. 日本水産学会誌, 75(3): 419-424. S44658
- 伊藤龍星・平川千修 (2009). 胃と腸の内容物からみた周防灘南部沿岸におけるナルトビエイの食性. 水産技術(水産総合研究センター), 1(2) : 39-44. S44646
- 伊藤 靖・中野喜央・藤澤真也. (2009). 人工魚礁の蝦集魚類と摂餌生態－漁場施設の魚類増殖効果に関する研究－III. 水産工学, 45(3): 195-206. S44458
- 蒲原 聰・服部克也・甲斐正信・原田靖子・桑原久実・鈴木輝明・高倍昭洋 (2009). 伊勢湾東部知多半島先端域のサガラメ *Eisenia arborea* 群落における波浪流速がアイゴ *Siganus fuscescens* の採食圧に与える影響. 水産工学, 45(3): 221-228. S44575
- 木所英昭 (2009). 気候変化に対するスルメイカの日本海での分布回遊と資源量変動に関する研究. 水産総合研究センター研報, (27): 95-189. S44510
- 古丸 明・尾之内健次・柳瀬泰宏・成田光好・大竹二雄 (2009). EPMA (Electron Probe Micro Analyzer) による塩分濃度の異なる水域で採集されたヤマトシジミ貝殻の Sr/Ca 比. 日本水産学会誌, 75(3): 443-450. S44660
- 小松輝久・道田 豊 (2009). シンポジウム「海洋生物の漂流－沿岸からの輸送と生態－」のまとめ. 沿岸海洋研究, 46(2): 75-76. S44462
- 道田 豊・田中 潔・小松輝久・石神健二・中嶋理人 (2009). 海洋の収束・発散・拡散等による表層浮遊物の移動. 沿岸海洋研究, 46(2): 77-83. S44463
- 関口秀夫 (2009). 沿岸域で生まれた海洋生物の分散とその生態学的意義. 沿岸海洋研究, 46(2): 85-100. S44464
- 山本圭吾・中嶋昌紀・田渕敬一・濱野米一 (2009). 2007年春期に大阪湾で発生した *Alexandrium tamarensis* 新奇赤潮と二枚貝の高毒化. 日本プランクトン学会報, 56(1): 13-24. S44524
- 八谷光介・西垣友和・道家章生・和田洋藏 (2009). 抄録；京都府沿岸におけるホンダワラ科海藻の炭素・窒素・リン含有量の季節変化. 京都府立海洋センター研究報告, (31): 19-20. S44668
- Baker, K. D., Devine, J. A. & Haedrich, R. L. (2009). Deep-sea fishes in Canada's Atlantic: population declines and predicted recovery times. Environmental Biology of Fishes, 85(1): 79-88. S44593
- Bush, S. L., Robison, B. H. & Caldwell, R. L. (2009). Behaving in the dark: locomotor, chromatic, postural, and bioluminescent behaviors of the deep-sea squid *Octopoteuthis deletron* Young 1972. Biological Bulletin, 216(1): 7-22. S44495
- Camusa, T. & Zeng, C. (2009). The effects of stocking density on egg production and hatching success,

- cannibalism rate, sex ratio and population growth of the tropical calanoid copepod *Acartia sinjiensis*. Aquaculture, 287(1-2): 145-151. S44486
- Cole, K. S. (2009). Modifications of the reproductive complex and implications for the reproductive biology of *Gobiodon oculolineatus* (Teleostei: Gobiidae). Environmental Biology of Fishes, 84(3): 261-273. S44483
- Faria, C. & Almada, V. C.(2009). Tidal shifts in microhabitat use by *Gobius cobitis*: an adaptation to its feeding strategy? Journal of the Marine Biological Association of the United Kingdom, 89(3): 641-643. S44707
- Kendall, M. S., Bauer, L. J. & Jeffrey, C. F. G. (2009). Influence of hard bottom morphology on fish assemblages of the continental shelf off Georgia, southeastern USA. Bull. Mar. Sci., 84(3): 265-286. S44685
- Lirman, D. & Manzello, D.(2009). Patterns of resistance and resilience of the stress-tolerant coral *Siderastrea radians* (Pallas) to sub-optimal salinity and sediment burial. Journal of Experimental Marine Biology and Ecology, 369(1): 72-77. S44500
- Lopez-Sanz, A., Vert, N., Zabala, M. & Sabates, A (2009). Small-scale distribution of fish larvae around the Medes Islands marine protected area (NW Mediterranean). J. Plankton Res., 31(7): 763-775. S44686
- Meyer, D. L. & Posey, M. H. (2009). Effects of life history strategy on fish distribution and use of estuarine salt marsh and shallow-water flat habitats. Estuaries and Coasts, 32(4): 797-812. S44713
- Mulholland, M. R., Morse, R. E., Boneillo, G. E., Bernhardt, P. W., Filippino, K. C., Procise, L. A., Blanco-Garcia, J. L., Marshall, H. G., Egerton, T. A., Hunley, W. S., Moore, K. A., Berry, D. L. & Gobler, C. J (2009). Understanding causes and impacts of the dinoflagellate, *Cochlodinium polykrikoides*, blooms in the Chesapeake Bay. Estuaries and Coasts, 32(4): 734-747. S44712
- Pade, N. G., Queiroz, N., Humphries, N. E., Witt, M. J., Jones, C. S., Noble, L. R. & Sims, D. W.(2009). First results from satellite-linked archival tagging of porbeagle shark, *Lamna nasus*: Area fidelity, wider-scale movements and plasticity in diel depth changes. Journal of Experimental Marine Biology and Ecology, 370(1-2): 64-74. S44621
- Schultz, M. & Kiorboe, T.(2009). Active prey selection in two pelagic copepods feeding on potentially toxic and non-toxic dinoflagellates. J. Plankton Res., 31(5): 553-561. S44704
- Skripsova, A. V. & Nabivailo, Y. V. (2009). Comparison of three gracilaroids: growth rate, agar content and quality. J. Appl. Phycol., 21(4): 443-450. S44782
- Tiffan, K. F., Kock, T. J., Connor, W. P., Steinhorst, R. K. & Rondorf, D. W. (2009). Behavioural thermoregulation by subyearling fall (autumn) Chinook salmon *Oncorhynchus tshawytscha* in a reservoir. J. Fish Biol., 74(7): 1562-1579. S44580
- Troedsson, C., Simonelli, P., Gele, V. N., Nejstgaard, J. C. & Frischer, M. E (2009). Quantification of copepod gut content by differential length amplification quantitative PCR (dla-qPCR). Mar. Biol., 156(3): 253-259. S44502
- Yamamoto, M., Katayama, S., Makino, H. & Takemori, H. (2009). Age and growth of red tongue sole (*Cynoglossus joyneri*) in the central Seto Inland Sea, Japan. Aquaculture Sci., 57(2): 341-342. S44805
- Young, K. V., Dower, J. F. & Pepin, P (2009). A hierarchical analysis of the spatial distribution of larval fish prey. J. Plankton Res., 31(6): 687-700. S44586

生物多様性

菊地則雄・阿部真比古・島村嘉一・玉城泉也・藤吉栄次・小林正裕(2009). 千葉県における絶滅危惧種紅藻アサクサノリの生育. 千葉県立中央博物館自然誌研究報告, 10(2): 45-56.

S44819

Gray, K. N., McDowell, J. R., Collette, B. B. & Graves, J. E. (2009). A molecular phylogeny of the remoras and their relatives. Bull. Mar. Sci., 84(2): 183-197. S44437

Meng, X. H., Wang, Q. Y., Jang, I. K., Liu, P. & Kong, J. (2009). Genetic differentiation in seven geographic populations of the fleshy shrimp *Penaeus (Fenneropenaeus) chinensis* based on microsatellite DNA. Aquaculture, 287(1-2): 46-51. S44485

Saunders, G. W. (2009). Routine DNA barcoding of Canadian Gracilariales (Rhodophyta) reveals the invasive species *Gracilaria vermiculophylla* in British Columbia. Molecular Ecology Resources, 9(1): 140-150. S44594

Smith, E. M. & Gregory, T. R. (2009). Patterns of genome size diversity in the ray-finned fishes. Hydrobiologia, 625: 1-25. S44409